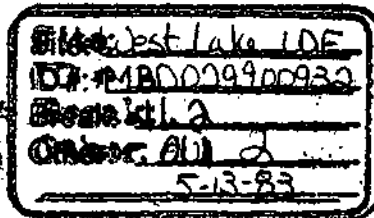


MISSOURI DEPARTMENT OF NATURAL RESOURCES  
8460 Watson Road St. Louis, Missouri 63119 (314) 849-1313

3.600 St. Louis County  
West Lake, Inc.

May 13, 1983

Mr. William J. McCullough, President  
West Lake, Inc.  
Route 1, P. O. Box 206  
Bridgeton, Missouri 63042



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WASTE  
MANAGEMENT PROGRAM

Dear Mr. McCullough:

A reinspection was made of the condition and operation of the West Lake, Inc. sanitary landfill, St. Louis County, Missouri on April 28, 1983. The recommendations contained in this report are based on the findings made at the time of the investigation. I trust that you will direct your attention to these findings and that you will proceed to carry out the recommendations presented.

FINDINGS:

1. Overall landfilling operations were satisfactory.
2. The pump was again pulled from the leachate collection well in the current landfill pit.

DISCUSSION:

Water management concerns continue to be the priority matter at this site. The entire leachate control system was again reviewed during this inspection. All system components were found to be operational with the exception of the pump set in the current fill pit well. The operator advised this unit was to be re-set within a few weeks, following placement of another collection well section in preparation for the next landfill lift.

The main collection well/pump intercepting the major portion of the leachate flow ahead of the present fill pit appeared to be functioning properly, along with the flow equalization tank and treatment plant. Down time for the pit well pump should be kept to an absolute minimum, however, to reduce the seepage still occurring at the toe of the current landfill pit. This seepage was being successfully contained by berming it off from the impounded stormwater on the active quarry floor. The operator advised that the leachate collected from the berm-sumps was routinely pumped to the designated holding lagoon. The stormwater pump-out to the receiving creek exiting the West Lake property was of good visual quality and did not appear influenced by leachate contaminants.

RECOMMENDATIONS:

1. Continue the good overall landfill operations.

40249188



SUPERFUND RECORDS

Christopher S. Bond Gover  
Fred A. Laiser Director  
St. Louis Regional Office

DNR 0077

IV. Satisfactory Compliance Subsections Regulations 80-3.010

Check all subsections: SAT — Satisfactory; UNS — Unsatisfactory. (If necessary describe "UNS" violations under "Remarks.")

SECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
<b>(2) SOLID WASTE ACCEPTED</b>			
(2)(C)2	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	X	
(2)(C)3	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.	X	
(2)(C)4	Disposal of dewatered sludges on working face along with municipal solid waste.	X	
(2)(C)5	Incinerator and air pollution control residues prevented from becoming airborne.	X	
<b>(3) SOLID WASTE EXCLUDED</b>			
(3)(C)1	No unpermitted waste accepted.	X	
(3)(C)2	Sign posted at entrance listing excluded wastes.	X	
<b>(4) SITE SELECTION</b>			
(4)(C)1	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X	
<b>(6) WATER QUALITY</b>			
(6)(C)1	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.		X
(6)(C)2	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	X	
(6)(C)3	No ground or surface water in contact with solid waste.		X
<b>(7) AIR QUALITY</b>			
(7)(C)	No open burning without written permission of the proper air pollution agency and the Division.	X	
<b>(8) GAS CONTROL</b>			
(8)(C)	Implementing decomposition gas control plan as necessary to prevent problems.	X	
<b>(9) VECTORS</b>			
(9)(C)	Vector control programs implemented when necessary to prevent or rectify vector problems.	X	
<b>(10) AESTHETICS</b>			
(10)(C)1	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.	X	
(10)(C)2	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X	
(10)(C)3	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.		X

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
<b>(10) AESTHETICS (Continued)</b>			
(10)(C)4	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X	
<b>(11) COVER MATERIAL</b>			
(11)(C)1	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.	X	
(11)(C)2	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.	X	
(11)(C)3	Final cover applied on each area as completed in a layer not less than two feet after compaction.	X	
<b>(12) COMPACTION</b>			
(12)(C)1	Adequate equipment on-site, operated daily.	X	
(12)(C)1A	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	X	
(12)(C)1B	Wastes compacted to smallest practical volume.	X	
(12)(C)1C	Cover material compacted as much as practical.	X	
(12)(C)2	Preventive maintenance performed.	X	
(12)(C)3	Daily task operating manual provided.	X	
<b>(13) SAFETY</b>			
(13)(C)1	Fire extinguishers provided on oil equipment.	X	
(13)(C)2	Provisions for extinguishing fires in waste, equipment, and structures.	X	
(13)(C)3	Communication equipment available.	X	
(13)(C)4	Scavenging prohibited.	X	
(13)(C)5	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X	
(13)(C)6	Traffic controlled and directed to designated disposing points.	X	
(13)(C)7	Site dust controlled for safety purposes and to prevent nuisances.	X	
<b>(14) RECORDS</b>			
(14)(C)1A	Records of major problems and complaints.	X	
(14)(C)1B	Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses.	X	
(14)(C)1C	Records of vector control efforts.	X	
(14)(C)1D	Records of dust and litter control efforts.	X	
(14)(C)1E	Records of quantity of waste handled.	X	
(14)(C)1F	Records of description, sources, and volume of special wastes listed in Subsection (3)(A).	X	

V. Operation Proceeding in Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

X Yes        No

REMARKS - Leachate pumping/treatment system operational.  
Decomposition gas removal/destruction system operational.  
Stormwater drainage/site grading improvements underway along St. Chas. Rock Rd.  
Overall operation and site conditions satisfactory.

(Attach additional sheets as necessary.)

BY Mike Dr. Wall  
 SIGNATURE OF INVESTIGATOR

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL QUALITY

Inspection ☐  
Reinspection ☒

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 4-28-83 Days/Week Open: 6  
Name of Sanitary Landfill: West Lake, Inc.  
Permit No.: 118903, 906, 908, 909 County: St. Louis  
Owner: West Lake, Inc. Operator: Vernon Fehr, manager  
Address: Rte. 1, P.O. Box 206 Address: 13570 St. Charles Rock Rd.  
Bridgeton, MO 63042  
(314) 739 1122

I. Special Conditions and Approved Modifications

- A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)  
X Yes        No
- B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS.")  
X Yes        No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste	<u>X</u>	<u>X</u>	<u>X</u>
Bulky waste			
Dead animals			
Incinerator residue			
Demolition and construction waste	<u>X</u>	<u>X</u>	<u>X</u>
Brush and untreated wood waste			
Septic tank pumpings		<u>X</u>	
Wastewater treatment plant sludges			
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY) <u>Western Litho WTP residue</u>			
<u>- Monsanto / St. Peters WTP filter cake</u>		<u>X</u>	
INDUSTRIAL PROCESS WASTES (SPECIFY)			
HAZARDOUS WASTES (SPECIFY)			
OTHER WASTES (SPECIFY)			

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III. Remaining Life of Landfill

- A. Estimated amount of solid waste coming through gate.  
Compacted loads 13,000 yds/wk        tons/wk  
Noncompacted loads        yds/wk        tons/wk
- B. Estimated volume of remaining landfill covered by approved engineering plans.  
       acre feet 2.5 years

INSPECTION FORM  
DISTRIBUTION LIST


Owner X  
Operator X  
City Bridgeton  
County St. Louis  
Consulting Engineer Reitz & J. Inc.  
Solid Waste Program X  
Regional Office File X  
Others

Page (2)  
May 13, 1983

2. Maintain all components of the leachate control system in working order at all times.

Should you have any questions concerning this report, contact Mike Duvall of the St. Louis Regional Office.

APPROVED:



F. Donald Maddox, P. E.  
Regional Administrator  
St. Louis Regional Office

PREPARED BY:



Mike Duvall  
Chief - Waste Management Unit  
St. Louis Regional Office

FDM/MD/bk1

Enclosure

CC: St. Louis County Health Department  
City of Bridgeton  
Reitz & Jens  
✓ Central Office - Waste Management Program